



Style 155570
7 oz. Twill
88/12 Cotton/Nylon

| <u>7 oz. Twill</u> | <u>Process Averages*</u> | <u>Specs*</u> | <u>Test Method</u> |
|------------------------------|---------------------------------|---------------------------------|---|
| Weight | 7.8 oz/yd ² (+/- 5%) | 7.6 oz/yd ² (+/- 5%) | ASTM D3776 |
| Width-Min. | 64.5" | >63.0" cuttable | |
| Tear Strength (lbs W X F) | 8.8 x 6.8 | >7.0 x >5.0 | ASTM D1424 |
| Tensile Strength (lbs W X F) | 155 x 69 | >100 x >60 | ASTM D5034 |
| Air Permeability (cfm) | 61 | >50 | ASTM 737 |
| Laundry Shrinkage (W X F) | 1.8% x <1.2% | <3.0% x <3.0% | ASTM 1506 AATCC 135-3, IV, Aiii |
| 10 IL** Shrinkage (W X F) | 2.3% x <1.3% | <5.0% x <5.0% | ** Wash Method as specified by NFPA 2112 |
| TPP (contact/spaced) | 9/10 | >3/6 | NFPA 2112-2007 |
| Vertical Flame | 3.14" | <4.0" | ASTM D6413 |
| Thermal Shrinkage | 2.5% | <10% | NFPA 2112-2007 |
| Arc Rating (ATPV) | 9.2 cal/cm ² | >8.0 | ASTM F1959 |
| Thermal Manikin | 18.3% avg. | <50% | ASTM F1930 |

Certified to NFPA 2112, CAN/CGSB 155.20 

*Note: "Process Averages" are historical estimates and actual results may vary from lot to lot (but will meet the minimum "Specs.")

Revision 9 3/13/2009

Please Note: Amplitude fabrics are innovative, high-tech, flame resistant materials intended to be used in garments that supplement personal protective equipment that reduce the flammability risks of momentary exposure to electric arc flash and flash fire hazards. They may be used as a layer of, but are not intended for use as the primary protection in fire fighting garments or other products subject to repeated or extended exposure to heat or flame. Use caution near sources of flame or intense heat and do not launder with bleach or fabric softeners. As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.



Style 155590
9 oz. Twill
88/12 Cotton/Nylon

| <u>9 oz.Twill</u> | <u>Process Averages*</u> | <u>Specs*</u> | <u>Test Method</u> |
|------------------------------|----------------------------------|----------------------------------|---|
| Weight | 9.30 oz/yd ² (+/- 5%) | 9.20 oz/yd ² (+/- 5%) | ASTM D3776 |
| Width-Min. | 63.5" | >63.0" cuttable | |
| Tear Strength (lbs W X F) | 11.4 x 10.1 | >7.0 x >7.0 | ASTM D1424 |
| Tensile Strength (lbs W X F) | 200 x 95 | >130 x >80 | ASTM D5034 |
| Air Permeability (cfm) | 28 | >20 | ASTM 737 |
| Laundry Shrinkage (W X F) | 2.4% x <0.4% | <3.0% x <3.0% | ASTM 1506 AATCC 135-3, IV, Aiii |
| 10 IL** Shrinkage (W X F) | 3.2% x <0.6% | <5.0% x <5.0% | ** Wash Method as specified by NFPA 2112 |
| TPP (contact/spaced) | 10.9/12.0 | >3/6 | NFPA 2112-2007 |
| Vertical Flame | 3.04" | <4.0" | ASTM D6413 |
| Thermal Shrinkage | 2.8% | <10% | NFPA 2112-2007 |
| Arc Rating (ATPV) | 12.4 cal/cm ² | >8.0 | ASTM F1959 |
| Thermal Manikin | 9.6% avg. | <50% | ASTM F1930 |

Certified to NFPA 2112, CAN/CGSB-155.20 

*Note: "Process Averages" are historical estimates and actual results may vary from lot to lot (but will meet the minimum "Specs.")

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